

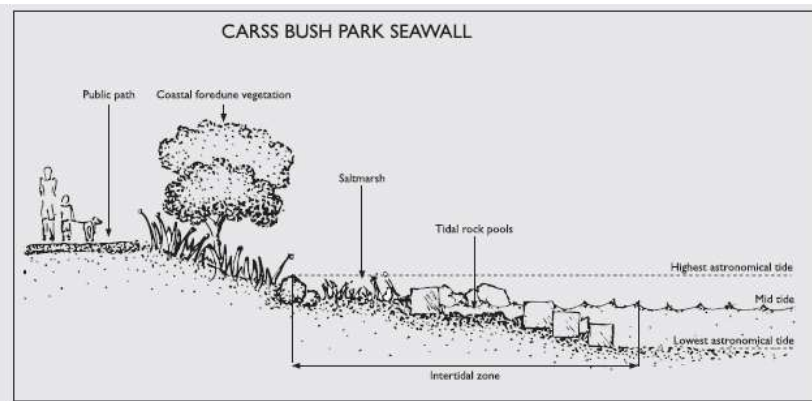
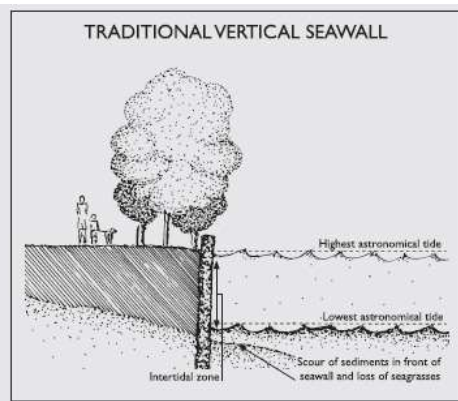
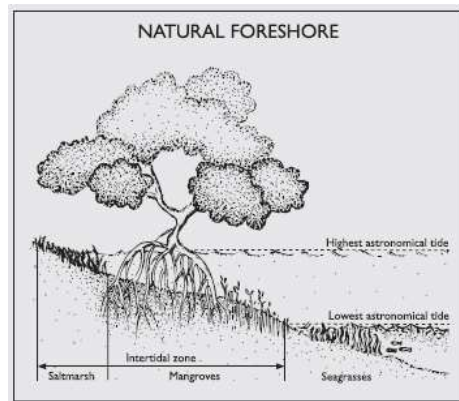
# **Georges River Foreshore Eco-engineering: A Case Study**

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# Claydon Reserve (2005)



# Sans Souci Park (2012)



Browne & Chapman (2011)

# Dover Park East (2012)



# Dover Park West (2017)



# Carss Bush Park (2016 - Present)

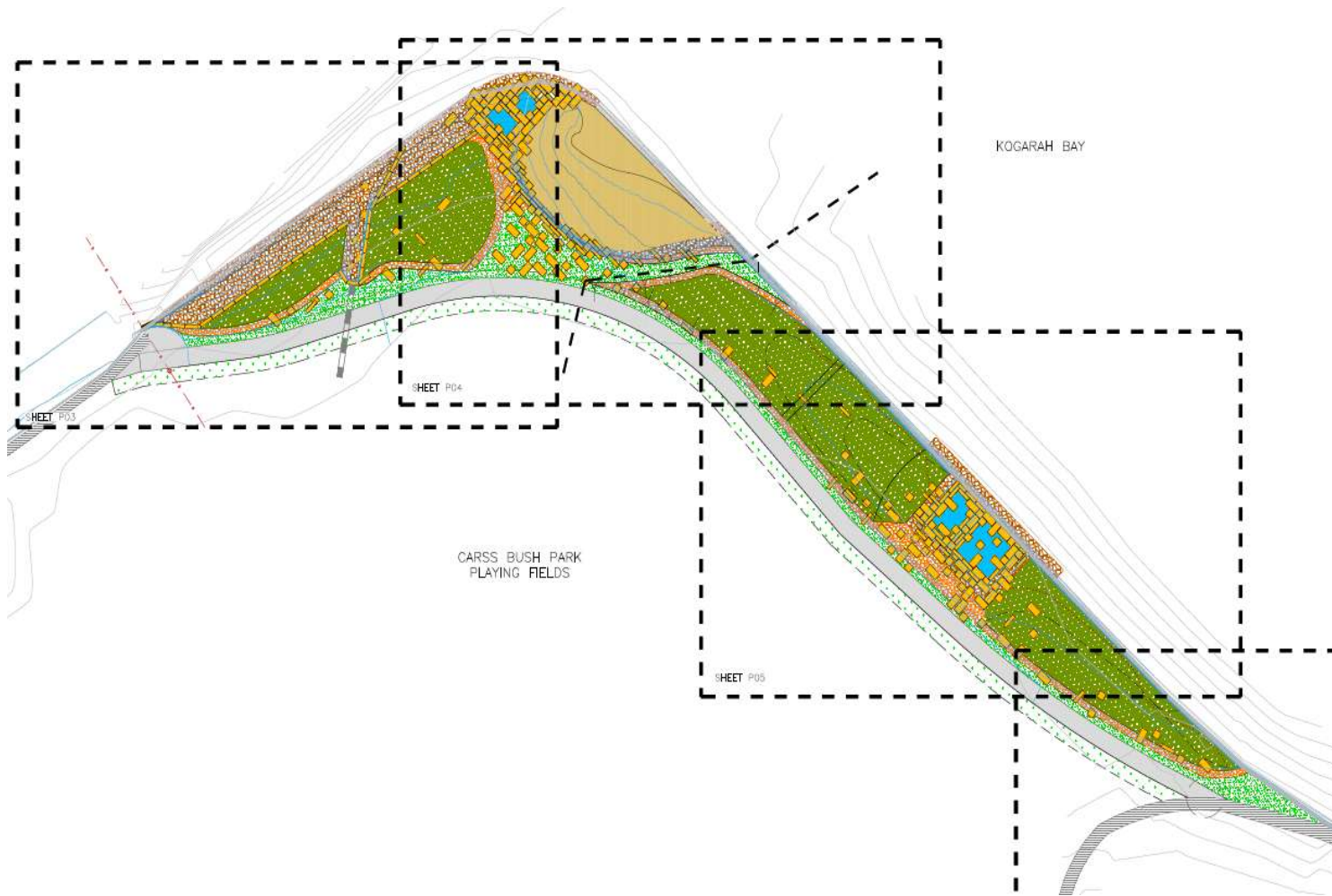


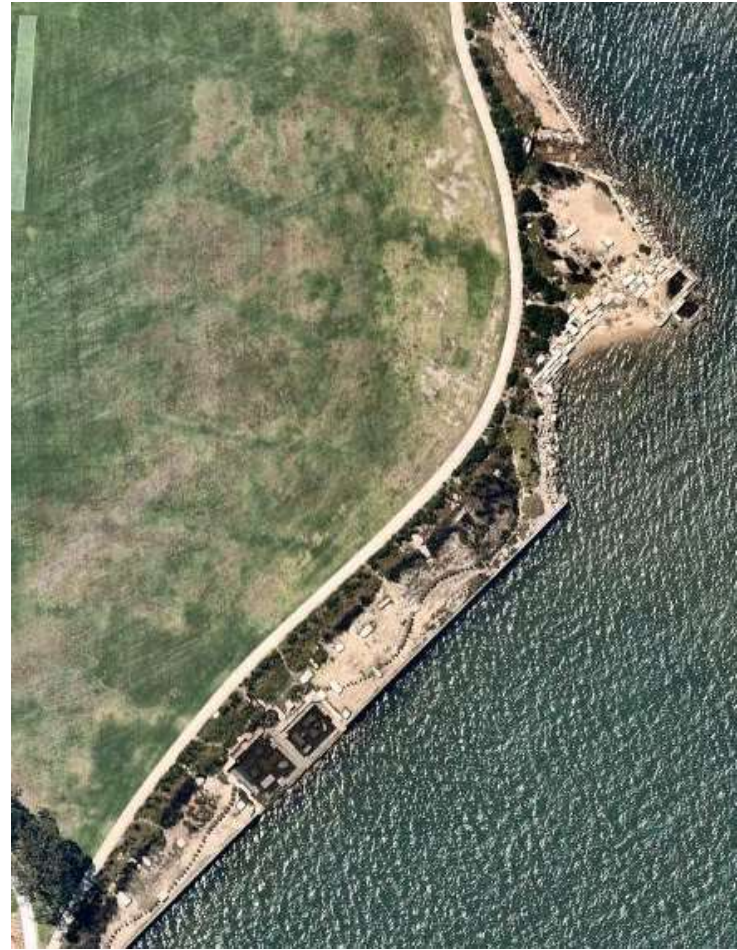
**Stage 1:** Carss Bush Park playing fields  
foreshore naturalisation – Complete 2016

**Stage 2:** Carss Bush Park channel and  
foreshore naturalisation – Completed 2019

**Stage 3:** Carss Point foreshore  
naturalisation - Completed 2019

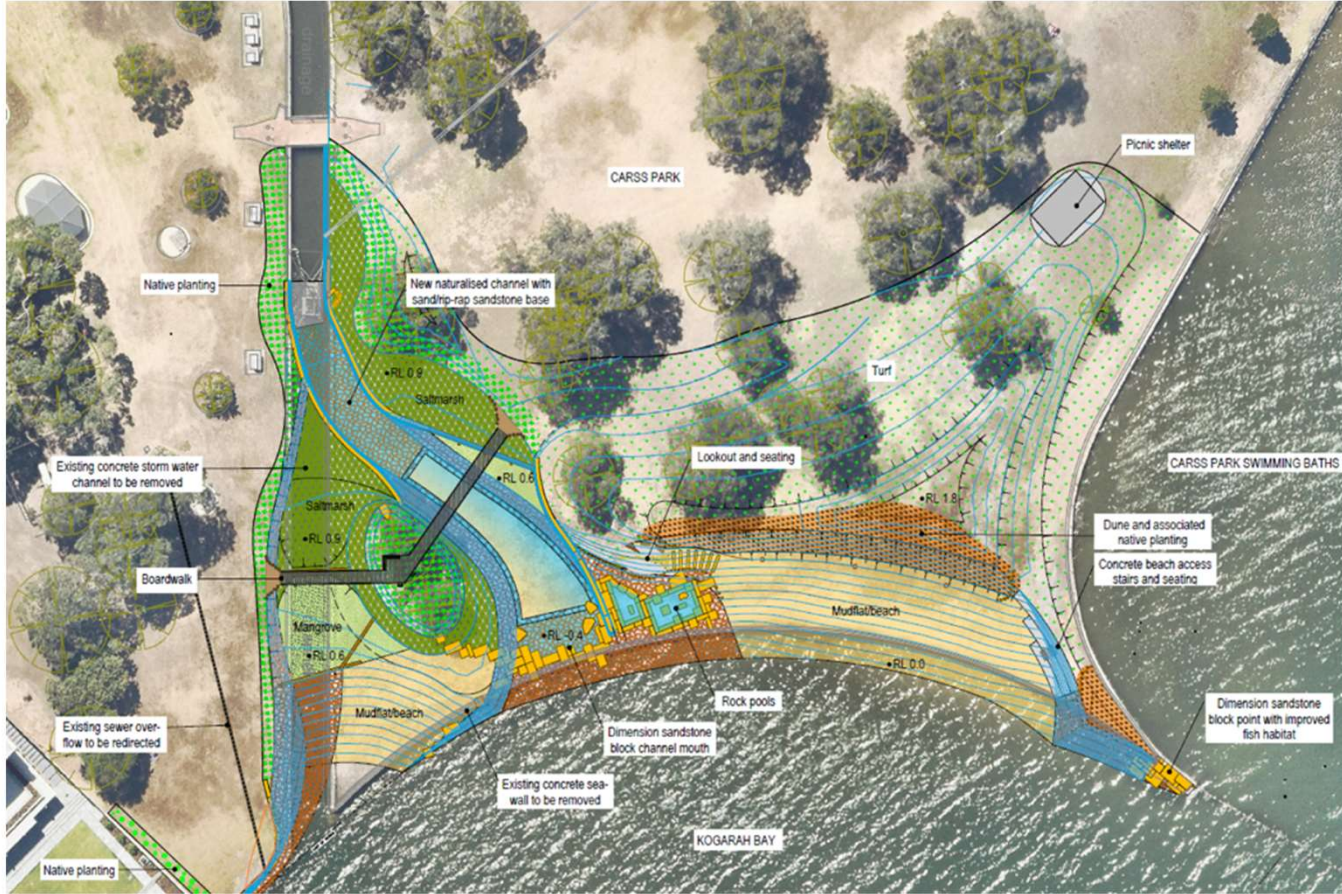








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## Benefits

- Introduction of mangrove, saltmarsh, coastal dune and riparian vegetation communities
- Increased complexity of intertidal foreshore including:
  - Tidal ingress onto sloped foreshore
  - Water retention at low tide
  - Horizontal platforms
  - Crevices
  - Tidal mudflat/beach
  - 'Naturalised' creek line
- Increased foreshore biodiversity
- Improved passive and recreational community access and use
- Management of foreshore erosion and park subsidence
- Improved stormwater management
- Educational tool
- Community support with aesthetic design
- Funding support for future projects
- Research support and collaboration

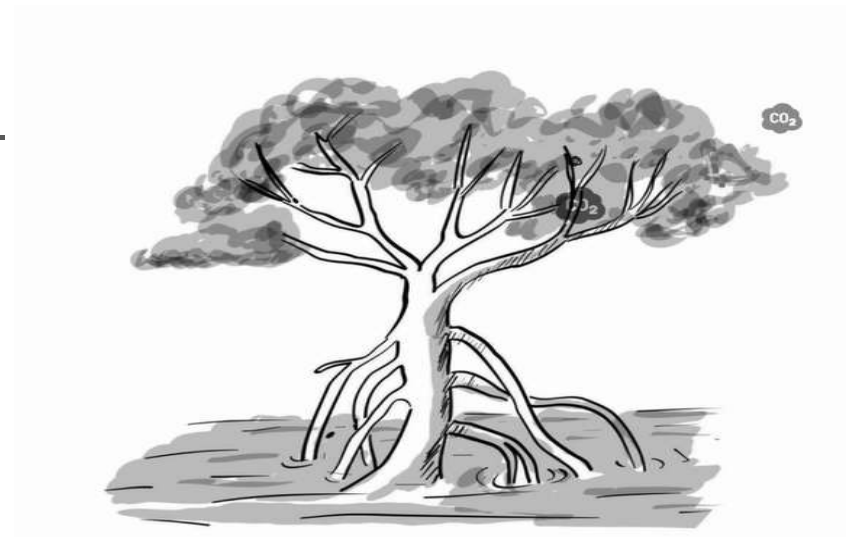


*Blue carbon – Carbon footprint and mitigation initiatives*



## *Blue carbon ecosystems*

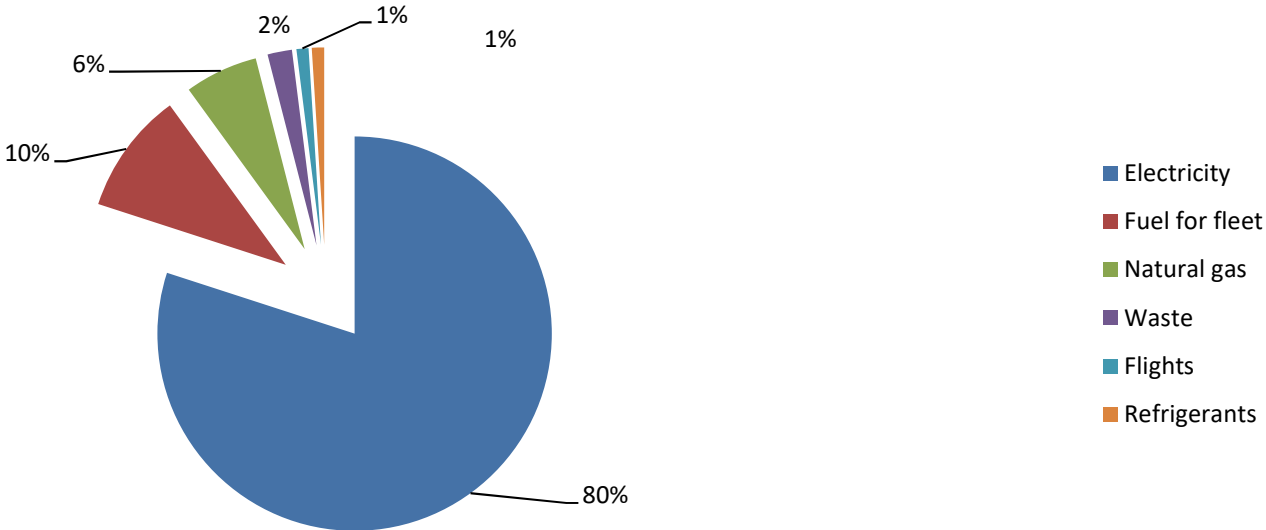
- Wetlands, saltmarshes, mangroves and seagrasses—collectively known as 'blue carbon' ecosystems—



Can capture and store carbon 30-50 times faster than forests

# Carbon footprint

Percentage of GHG emissions



# Carbon Neutral claim steps



# Mitigation initiatives



## *Opportunities*

- Demonstrate sustainability and include them as part of their carbon reduction initiatives for climate change strategies
  - Management
  - Protection
  - Enhancement

